

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/001702

| A. CLASSIFICATION OF SUBJECT MATTER IPC 7 E03C1/086 E03C1/08 | | |
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| According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 E03C | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | US 3 630 455 A (RICHARD GRANT PARKISON) 28 December 1971 (1971-12-28) column 2, line 62 - line 72; figure 5 | 1,2,4,15 |
| Y | | 11,12 |
| X | EP 0 631 020 A (AMFAG S.R.L.; AMFAG S.P.A.) 28 December 1994 (1994-12-28) column 2, line 8 - line 54; figure 2 | 1,3-8,15 |
| X | DE 200 10 099 U1 (DIETER WILDFANG GMBH) 17 August 2000 (2000-08-17) page 7, line 28 - page 11, line 28; figures | 1,3,6,7, 9,10,14 |
| -/- | | |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. | | |
| * Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "Z" document member of the same patent family | | |
| Date of the actual completion of the international search 26 May 2005 | | Date of mailing of the international search report 02/06/2005 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016 | | Authorized officer De Coene, P |

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| X | WO 98/16693 A (DIETER WILDFANG GMBH; GRETHER, HERMANN; WEIS, CHRISTOPH) 23 April 1998 (1998-04-23) page 11, line 27 - page 19, line 18; figures | 1,2,7,9, 10,13-15 |
| Y | CH 380 042 A (AKTIENGESELLSCHAFT KARRER, WEBER & CIE, ARMATURENFABRIK UND METALLGIES) 15 July 1964 (1964-07-15) page 2, line 1 - line 95; figures | 11,12 |
| A | GB 336 200 A (GEORGE ANSON SLATER) 6 October 1930 (1930-10-06) page 2, line 78 - line 103; figures | 1,15 |

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